

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

TANAKA, TAKAHISA, et al.

Appln. No.: Not yet assigned

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: March 12, 2002

Examiner: Not yet assigned

For: NUMERICAL VALUE CONTROL PROCESSING METHOD AND NUMERICAL  
VALUE CONTROL SYSTEM FOR MACHINE TOOL

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

**Page 25, please delete the first full paragraph, and replace it with the following:**

When the fact of a binary mode has been stored in the analysis processing, the process proceeds to the binary program processing. In this case, a block number (a data index) of binary data to be delivered to the servo control section 103 is updated (step ST39), and it is confirmed whether the binary data in the buffer memory unit 101 has been finished or not. In other words, it is confirmed whether the buffer memory unit 101 is empty or not (step ST40). When the buffer memory unit 101 is not empty, the binary data is copied into a servo communication transmission buffer (step ST44), and a servo communication processing is carried out (step ST45). In this case, in the communications carried out with the servo control section 103, not only the absolute position command but also the move quantity obtained by interpolating the move quantity up to the absolute position in the position control period of the servo control section 103 is transmitted.